



Included in this issue:

Director's Report...p. 1
New Hires for the ENRD...p. 2
NR Manager's Report p. 3
NR Specialist p. 4 & p. 9
N.A.L.E.M.P. Report ...p. 4
Environmental Updates...p. 5
Air Quality Report...p. 5
Water Quality Report...p. 6
GAP Information... p. 7
THPO Report...p. 8
Range Manager's Report ...p. 9
NR Specialist con't...p. 9
Conservation Report ...p. 10
Planning Program Report ...p. 11
Directory... p.12



Director's Report

By: Adam Ringia



Over the past few months, Laguna, in addition to other Pueblos, has been in consultation with the US Federal Government on a wide variety of issues. The Forest Service is in the process of updating their forest plan for the Cibola National Forest, the Fish and Wildlife Service has changed its management of the Mexican wolf, the Bureau of Reclamation is working to expand its Native American Irrigation Program, the State is heavily involved in water planning, and so much more; every time these agencies start an initiative they ask for feedback from the Pueblo, and we do our best to respond. We have also been working with Laguna Development Corporation and the Utility Authority to update domestic water wells, and determine how best to deal with wastewater generated in treating the water. We have several new hires – a new Rangeland Manager, and a new Water Quality Specialist – they both come in with passion and much needed skills, and we look forward to their success. The monsoon rains have arrived – a welcome shift from the extreme drought of the last several years, adding to an already wet spring, this is great news for the Pueblos livestock, wildlife and lands, but makes it a little harder to get around on the backroads. Be careful out there and have a safe summer!

Mexican Wolves by: Adam Ringia

The Federal Government has changed the experimental population regulations on the Mexican Wolf (*Canis lupus baileyi*). These complicated regulations change the locations where these wolves are allowed to range freely, and where they can be released. The full explanation can be found on the USFWS website (<http://www.fws.gov/southwest/es/mexicanwolf/>).

A few points of interest:

- 1) North of I-40, these animals are fully protected as Endangered Species, but will be relocated back south;
- 2) South of I-40 to the Mexican Border, they are an experimental population (treated as a threatened species), and can range freely;
- 3) The nearest location to Laguna that Mexican Wolves can be released is the Magdalena Ranger District of the Cibola National Forest, just south of Alamo, about 20 miles of range the wolf runs.
- 4) The Natural Resources Program is working on a Wolf Management Plan to deal with animals that enter Laguna lands. Please let us know if you think you see one!



Mexican Wolves

Welcome our new Water Quality Specialist: Deborah Anyaible



My name is Deborah Anyaible. I am a married mother of two small boys, ages six and three.

I have a Bachelor's Degree in Environmental Planning and Design from the University of New Mexico (UNM) and am entering my last semester in two Masters' degree programs at UNM.



My fields of study are Natural and Environmental Planning and Water Resource Management. I am very excited and happy to be working with the Pueblo of Laguna as the Water Quality Specialist.

Over the years, water has become a true passion for me. I grew up in Las Vegas, Nevada where I became acutely aware of the water scarcity issues facing the southwest. When I moved to New Mexico in 1999 I became aware of other issues that the southwest faces, besides severe drought. Flooding and water quality and contamination are a few of these issues.

Through my studies I have realized that each of us has a special part to play in the universe and my part is to help people gain access to clean safe water and to ensure that the water we do have remains clean and safe, for all of us.

Welcome our new Rangeland Program Manager: Richard Bonine, Jr.

Hello, my name is Richard Bonine, Jr. and I am both excited and humbled by the opportunity to serve you as the Rangeland Program Manager.

I grew up on a ranch in Montana. I spent most of the 1990's in Gallup, NM and fell in love with the New Mexico landscape. I am fascinated by the simultaneous fragility and resilience of desert ecosystems. I have worked for more than 25 years in the natural resources and range management arena and have many years of experience conducting range management surveys and using that information to build permit documents and grazing plans. I truly enjoy working with ranchers and believe that they and the tasks they do is some of the most important work around.



My life's work has revolved around the goal of protecting the planet and making it more productive. As stated in the old Native American proverb, I don't believe we inherit the land from our ancestors. Rather, we borrow it from our children. My goals here are to be of service to the Pueblo in helping you protect and enhance the rangeland and providing educational training to the residence with a special interest in reaching out to the youth. The condition in which we leave the landscape becomes the historic record of our stewardship. I want that record to reflect excellence, as the history of the Laguna people is written, not in a book, but in the landscape. I look forward to meeting you and joining you as we together use the strength of the Father to protect the gifts of the Mother.

Natural Report on Drones

By: Jason Thomas



Drones, how they can save wildlife and do a lot more!

UAV's or Unmanned Aerial Vehicles are more than just the drones that you see on the evening news that the military uses. All over the country these small rotary powered aircraft with cameras are providing ways to view and count wildlife that are safer and more cost effective then traditional large manned aircraft. A drone that costs \$5000 could replace the yearly manned flights and provide monthly counts of animals. Information about how wildlife are using the habitat allows managers the ability to better protect places that may be critical to the survival of fawns.

Unlike the UAVs used by the military, most notoriously to kill enemy combatants in places like Pakistan and Afghanistan, the drones' biologists employ carry cameras and sensors, not weapons. In the past few years they've started to provide an unprecedented look at hard-to-reach places, like orangutan nests high in the jungles of Sumatra and Borneo, and have shown potential for catching poachers and stopping illegal logging. And because they carry digital cameras that produce geo-referenced photos, the data they gather can be fed into image-recognition algorithms to vastly improve the accuracy of population counts. A drone can fly the same flight path every time and take pictures of the same place, allowing comparisons from month to month or even week to week.

Not only are drones good at counting animals they could also be used to look at places people can't get to. During a flood a drone can fly overhead and see what damage had been done by rising waters before people can get there. A drone can also see if there are people that are trapped and need to be rescued from places that are very hard for people to get to. They can find lost cattle or even lost people. During forest fires drones can take a look at the fire and see how bad it is and where a fire is headed faster and safer than a person could.

In conclusion, could we use a drone? The short answer is yes. Both Natural Resources and Public Safety have looked into how the programs could use this new technology, but what do you think about it? Send comments to info.nr@lagunapueblo-nsn.gov or submit your comments in writing to the ENRD Office. Hope to hear from you soon!!



Natural Resources Specialist Report by: Raymond Lucero**Rain Harvester for Wildlife**

Greetings everyone,

I hope you are all doing well. I would like to provide some information on a project that is in progress with the Natural Resource Program. Last year Robert Natseway and I attended a training on Rain Harvesting that was hosted by the Pueblo of Sandia. Tim Smith was the instructor for that class, which had around 40 participants. During that course we learned how to construct a frame to house, the water tank and the roof that would catch the rain during a rain storm. Tim Smith also showed the class how to construct the pipe work and how to create a drinker for wildlife.

After completing this class Robert and I came back to Laguna and decided to construct a rain harvester on our reservation. Since Donald Sarracino had taken the course the year before, he had ideas on how to construct the rain harvester. With 20 plus years of carpentry experience Donald came up with a frame design that would prove to be both strong and cost efficient.

The purpose of these rain harvesters is to provide water for wildlife in areas that water is not readily available. We also would like to provide a water source for our mule deer population, in hopes that they will once again be abundant throughout our reservation.

If you see one of these rain harvesters out in the wild do not contaminate the drinker or play with the water that is in the drinker. If you happen to locate one of our drinkers and see that it is damaged or vandalized please contact the ENRD office at (505) 552-7512. Thanks again for all of your help and feel free to stop by my office if you have any concerns. con't p. 9

POL Native American Lands Environmental Mitigation Program

By: Sabin Chavez

**Greetings! From N.A.L.E.M.P.**

The Pueblo of Laguna NALEMP program has completed reviewing "draft" work plans for upcoming projects. There are three sites being addressed under this current cooperative agreement:

- 1) characterizing the nature and extent of munitions and explosives of concern (MEC) and munitions debris (MD) on 200 acres of land on Eidson Ranch;
- 2) site investigation on KAFB PBR 14, Target S-1 to provide information about the site's status, obtain samples to verify or negate contaminants and MEC, and to visually confirm and document the conditions of the site on a 10-acre area; and
- 3) safely characterizing, investigating, identifying Munitions Potentially Presenting an Explosive Hazard (MPPEH), potential MEC and surface clearance removal on 200 acre area on JATO Site #2.



ENVIRONMENTAL UPDATES**By: Greg Jojola, Environmental Manager**

Hello to all community members!

Spring is coming to a close and summer will soon be upon us. Hopefully the monsoon rains will come soon so they may nourish the newly planted fields in the villages. Here at the Environmental Program we've been quite busy. The Water Quality Program has completed round two of our yearly water sampling and round three is set to begin at the end of June. We sample over thirty sites throughout the reservation and then download, analyze and submit to the EPA national databank (STORET) as part of our grant requirements. Koodos to Mr. Loren Arkie (Environmental Tech) for taking charge of the program and ensuring things continue to run smoothly while short-handed. The program has been without a Water Quality Specialist for six months. We have gone through some great interviews and hope to have a new team member come on board shortly. Look for their introduction in this issue of On the Wind.

The air project continues to move along as well. Our Emissions Inventory report was submitted and accepted by the EPA. This report was quite intensive and lengthy. It is basically a database that lists, by source, the amount of air pollutants discharged in the atmosphere of a community during a given time period. The development of a complete emission inventory is an important step in an air quality management process. Emission inventories are used to help determine significant sources of air pollutants, establish emission trends over time, target regulatory actions, and estimate air quality through computer dispersion modeling. As the project grows into a program, it will help the tribe tremendously. "Good Job" goes out to Mr. Vince Rodriguez (Environmental Laborer) for finalizing the report and answering EPA's questions. Special thanks to Dorothy "Dodie" Beecher, who is no longer with us here at the Environmental Program, but did a great job of compiling the majority of the data and nearly completing the report.

This is just a snap shot of some of our successes and great work the team is doing here to protect the land, water and air on POL lands. Have a Great Summer everyone and be safe!

AIR QUALITY REPORT**By: Vince Rodriguez**

Greetings to all you Lagunas and the surrounding areas.

It's been a productive month for the Air Quality Program here at the Environmental Department. We've had dust collection in mid-May at the Jackpile Mine; a tribal forum on air quality in Battle Creek, Michigan and webinars on evaluating energy efficiency and renewable energy.

In the latter part of 2014, we had people from New Mexico Tech in Socorro come in to set up dust collectors at the Jackpile Mine in Pagate and take dust samples (that are airborne) from the mine. This test was to see if uranium dust still gets stirred up and how much. The collectors are poles embedded into the earth and a container is set onto the holder that look like weather vanes. So when the wind blows, the containers turn in the wind and start collecting dust particles. Results from the collection in May will be turned over our Director Adam Ringia for review soon.

The National Tribal Forum on Air Quality was a first for me and very eye opening to say the least. Topics ranged from current EPA policies, regulatory initiatives to technical and outreach topics on air quality. What the mining and extraction of oil, gas, uranium and lead business have done and how much of an impact it has on our everyday quality of life. Another topic of discussion was indoor air quality (IAQ) and how radon, mold and moisture, affects all of us especially people with asthma. This is especially true to what we breathe in our homes such as aerosols, wood burning stoves, natural gas and propane.

Our Emissions Inventory Report had been done and sent to EPA for review, so now we'll be able to move on to other projects involving air quality. It is the goal of the Air Quality Program to try and identify air pollutants that are hazardous not only to us here, on our pueblo, but to our neighbors in the surrounding communities and that also includes the wildlife that migrate across our lands. So, let's all be aware and be safe, until next time may each and every day be a breath of fresh air.

WATER QUALITY REPORT

By: Loren Arkie



Surface Water Quality Program

In fiscal year 2014, written into the water quality proposal, a community outreach portion, the funds were allocated for training and tools were expended to initiate our community outreach and education. This outreach was first researched at different trainings and conferences. Many planning discussions were held to assure that outreach and education would reach audiences of all ages.

The Eviroscape was first observed at the 2014 EPA Tribal Summit in Dallas, TX. More inquiry was made at STORMCON in Portland, OR. The Eviroscape is a tool to educate communities and students about pollution, whether it happens on the surface or in the ground. Have you ever heard the term, “It all ends up somewhere?” With the Eviroscape it allows viewers to see literally where pollution ends up and how such a little hazardous spill can spread within our ground water and beyond.

The miniature landscape made of recycled plastic sits on a clear plastic tray, with the holes for water to drain into the bottom tray. The kit came with miniature cars, farm animals, trees, and of course little houses small shakers of different colors of Kool-Aid and cocoa powder. When sprinkled onto the model the liquid replicates pollutants. A spray bottle of water, represents the natural effects of rain.

Our Enviro scape has made its maiden voyage here in the Pueblo of Laguna at the LDOE schools (Early Head start, and LES) and I must say students were so intrigued and inspired, one wrote a letter to my boss “asking him to give him a raise.” The demonstration was held during our 2015 Earth Week. The Environmental program staff have been making village presentations at Thursday night village meetings. So look for us at a village near you!



Miniature Eviroscape Model

General Assistance Program Information

By: Colleen Amy Garcia



July - Recycling Trailer Schedule



2015						
07						
PARAJE SEAMA						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Please remember to sort!

July 12th -
National Paper
Bag DayNATIONAL
ICE CREAM
DAY
July 19

Got Junk Vehicles?

Repercussions of having a junk vehicle: Soil contamination, causes long-term health effects, becomes target for vandalism, attracts children, rodents & snakes.

Contact Amy Garcia, Environmental Program to arrange a pick-up

Phone: 552-5043

SCHEDULE YOUR
APPOINTMENT



FREE PICK-UP



It's that time of the year again to start preparing for spring cleaning and Feast Days! Do you have a junk vehicle you want to get rid of?

THPO Report by: Gaylord Siow, Tribal Historic Preservation Officer

The first half of the year has really flown by and it has been very busy with the continuation of the Pueblo's water rights litigation. Our water rights team continues down the dual paths of litigation and negotiation with industry and upstream community water users. The Pueblos of Laguna and Acoma remain united in this effort with support from both Governor Siow and Governor Vallo. Our attorneys are working with us on the legal issues and advising both tribes on how to proceed in these dual efforts to protect our water rights in the Kerr McGee water rights adjudication. This case has been going on for 30+ years now and with the help of a new mediator/facilitator, a retired judge from Albuquerque named Judge Torgerson, who has put all parties on a very aggressive schedule, we hope to resolve the issues in the near future. Other parties involved are the attorneys for the State Engineers Office, as well as Federal experts from the Bureau of Indian Affairs. Much time and many resources have been put into this effort so the Pueblo team is encouraged to complete this case.

General activities – The THPO Advisory Board By-Laws was approved by Tribal Council, we have added minor language as directed by Council, and the final document taken to Council on June 12, 2015. Governor Siow and I attended the National Association of Tribal Historic Preservation Officers (NATHPO) Conference called the "Power of Preservation in Indian Country" during the week of May 31 through June 4, 2015 in Shepherdstown, West Virginia. The conference was held at the U.S. Fish and Wildlife Service (USFWS) National Conservation Training Center in Shepherdstown. We were able to meet other THPOs from around the country and exchange ideas on what other tribes are working on as it relates to preservation. The presenters shared ideas for funding sources and developing general leadership skills for setting up new programs in cultural preservation.

The greatest concern for the leadership both governmental and traditional here at home is the rate at which we are losing the Laguna language. We learned of a funding opportunity that we can apply for through the Federal Communications Commission (FCC) for cultural/historic preservation, and are working to pool our resources and develop a language revitalization program for Laguna. To start this process, we held a meeting on Language preservation on June 10, 2015 at the Dancing Eagle Event Center hosted by Laguna Community Foundation. We are hopeful that we can collaborate and come up with a results oriented plan to begin the language revitalization program. Until next quarter I wish you good health and happiness in all that you do.

Community Meeting on Language

Rangeland Program News**By: Delbert Siow, Acting Rangeland Manager**

The rangeland crew has completed the Spring 2015 Qualitative Assessment – Landscape Appearance Grass and Browse Utilization Survey on all seven range management units also on the Jackward and Silver Dollar wildlife management units. The data collected will be turned over to the Bureau of Indian Affairs, Regional Rangeland Management Specialist for further review and final grading of our rangeland use and range health. Twice a year (Spring/Fall) data is collected on seven of the Pueblo of Laguna Range Management units including the Jackward and Silver Dollar Wildlife Management units. The data collected is converted into tons per acre of feed being grazed and/or produced on each RMU/WMU. There are other methods that are used to determine rangeland health the department utilizes such as Photo Point Monitoring Method, Comparative Yield Method, Grazing Cage Monitoring Method, and Soil/Site Stability Method. The best time to collect this data is at the beginning and at the end of the growing season.

The rangeland crew has also been tasked with converting one windmill to solar power on each of the seven RMU's and Jackward WMU. To date five out of seven RMU's have had a solar plant installed, Bar PL and Sedillo RMU's along with Jackward WMU should be converted by the end of summer.

***Bell Rock South Mill Solar Conversion******Grazing Cage Monitoring Method*****Natural Resource Specialist - con't from p. 4****By: Raymond Lucero****Rain Harvest Site**

Conservation Report by: Sgt. Ray Soto



The Laguna Police Department Conservation Unit has been working with ENRD and the Laguna Pueblo Cattle Association Presidents Board to put together a current Livestock Inspection Program. The endeavor has many moving parts to include a Memorandum of Understanding with the New Mexico Livestock Board, and updated Rangeland Code, Standard Operating Procedure and several new forms. The program will allow a cattle association to contact the Department of Public Safety to request an inspection for the import, transport, or sale of livestock, in or through Laguna lands. There will be two levels of inspectors with plans for ENRD and Conservation to conduct both brand and livestock inspections. Once approved by Laguna Pueblo Council and the Governor, the program will streamline the inspection process and empower the inspectors to address any areas of concern.

The Laguna Conservation Unit conducted a tactical plan on the weekend of Memorial Day to keep people from trespassing onto Laguna land from the Rio Rancho sand dunes area. There have been signs of ATVs, motorcycles and some trucks that find breaches in the fence line and trespass onto the reservation. The officers checked for entry routes and checked on signage to ensure it is properly posted.

The Conservation Officers also addressed an issue in the Game Ranch area. Several trees had fallen across the road making it impossible to get to the Game Ranch. The officers put in the manual labor to remove the trees utilizing chain saws, trucks, and ATVs.



POL Conservation Unit left to right:

Officers: Eldon Martinez, Darwin Deloris, Jimmy Cheromiah, Sgt. Ray Soto, Ray Jose and Alfred Romero



“Merica”

Happy Birthday America!



Planning Program Report by: Sharon Hausam

No, the Planning Program hasn't changed departments! We are still happy right where we are, in Administrative Services. However, we're enjoying our work on projects that relate to environment and natural resources, and wanted to make you aware of it through this newsletter.

The Planning Program has been working for a number of years on individual comprehensive plans for the six villages. The villages of Mesita, Seama, Paraje, and Encinal have completed and adopted their plans. The word "comprehensive" means that the plan includes a complete range of topics: health and wellness, housing, transportation, economic development, land use – and natural resources and environment.



Sharon Hausam, Planning Program Manager

Each chapter of the plan has goals, strategies, and actions, which can help guide future village leaders and the Council when making decisions that affect the village. Strategies for natural resources and environment in the four villages with officially adopted plans include:

- Develop infrastructure to provide additional water to farm fields.
- Use treated wastewater for farming.
- Reserve historically irrigated land for farming.
- Renew orchards.
- Teach children about farming, gardening, and raising livestock.
- Provide opportunities to sell agricultural products.
- Designate and improve habitat for plants and wildlife used for traditional purposes.
- Use solar power in community facilities to reduce long-term energy consumption.
- Respect the historical use of rock and mud for building structures.
- Monitor water and air quality and take action as needed.
- Reduce illegal dumping.
- Thoroughly assess businesses for potential impacts, positive and negative, including environmental (air, water, soil, noise, odor, visual) impacts. Require mitigation of negative impacts.

For more details or additional information about your village's comprehensive plan, feel free to contact me: Sharon Hausam, Planning Program Manager, shausam@lagunapueblo-nsn.gov, 552-1204. And check future issues of *On the Wind* for more on ENRD coordination with the Planning Program!

**Environmental and Natural Resources
Department (ENRD)**

505-552-7512 or 505-552-7546
Fax No: 552-9770

Kawaik'a Center
22 Bay Tree Road, Building B
Paraje NM 87007

Adam Ringia
ENRD Director
552-5051

Georgia Martinez
Administrative Assistant II
552-5050

Gaylord Siow
Tribal Historic Preservation Officer
552-5046

Mailing address:
Pueblo of Laguna
Environmental & Natural
Resources
PO Box 194
Laguna, NM 87026

www.lagunapueblo-nsn.gov

**NATURAL RESOURCES
PROGRAM**

Jason Thomas
Natural Resources Manager
552-5052

Raymond Lucero, Jr.
Natural Resources Specialist
552-5053

Donald Sarracino
NR Technician II/Dam Tender

Robert Natseway
NR Technician I
552-5054

Harold Analla, Quentin Deloris,
Francis Trujillo, Tyler Charlie and
Alex Romero, Jr.
Thinning Crew

ENVIRONMENTAL PROGRAM

Gregory Jojola
Environmental Program Manager

Deborah Anyaible
Water Quality Specialist
552-5040

Colleen (Amy) Garcia
Environmental Specialist
552-5043

Vacant
Air Quality Specialist
552-5042

Loren Arkie
Environmental Technician
552-5044

Vince Rodriguez
Environmental Laborer
552-5043



**N.A.L.E.M.P. and
RECLAMATION PROGRAM**

Sabin Chavez
NALEMP Specialist
552-5045



Rangeland Management Program

Richard Bonine, Jr.
Rangeland Manager
552-5055

Delbert Siow
Rangeland Technician
552-5057

Nevin Garcia, Sr.
Rangeland Technician
552-5057

Billy Delores
Rangeland Technician
552-5056

Ray Konico, Jr.
Rangeland Technician
552-5056

Aaron Lorenzo, Sr.
Rangeland Technician
552-5056



A courtesy reminder of the importance of sorting your recyclables from your everyday household trash before placing in the recycling bins. Your help and effort is greatly appreciated!